

In the Abstract

Please amend the ABSTRACT OF THE DISCLOSURE of this application as follows:

--ABSTRACT

~~This invention cures many inefficiencies with known scan conversion methods. This invention~~ A computer implemented method of clipping to a clip polygon and trapezoid formation employs ~~a~~ an edge array rather than a set linked list from an array of pointers equal in number to the number of scan lines. ~~This invention thus~~ eliminates storage of linked list pointers which in the prior art included many null pointers resulting in better memory utilization. ~~es on-chip memory when employing a single chip microprocessor. This invention~~ method sorts the active edge table only at edge intersections and vertices, thus eliminating much unneeded sorting. This ~~invention~~ method permits integrated clipping of a subject polygon by a clip polygon and forming trapezoids filling the clipped area by activating trapezoid formation at every vertex of either polygon and at every edge intersection. ~~This process saves code space and computer processing time. This invention efficiently utilizes the resources of a multiprocessor integrated circuit by spawning of subtasks from a RISC type processor to one or more DSP type processors.--~~